



2019 All Hands Meeting  
June 10-11, 2019  
Argonne National Laboratory



Rensselaer



SMU



USC University of Southern California

# Opening Remarks – Todd Munson

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- **Welcoming remarks – Mike Papka**
- **Meeting logistics**
  - **WiFi**
  - **Posters – Room 1416**
  - **Lunch — Room 1416**
  - **Dinner (optional) — Giordano's**
    - **Cost ... \$20 (gratuity included)**
    - **Pay Karen Devine in advance**
    - **Drinks are on your own**

# Overview of agenda – Esmond Ng

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- **Updates from the 8 technical areas**
- **Posters**
  - **Two sessions in Room 1416**
    - Day 1, 3:45pm – 5:15pm
      - Structured mesh
      - Linear solvers
      - Eigensolvers
      - Uncertainty quantification
    - Day 2, 11:00am – 12:30pm
      - Unstructured mesh
      - Time integrators
      - Optimization
      - Data analytics
  - **Don't just look at posters in your technical area, but take a look at posters from other areas to see if there are collaboration opportunities between technical areas.**

# Overview of agenda

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- **Synergistic activities (Day 1, Lunch Discussion)**
  - Examples of synergistic activities
  - What does an area need from other areas?
  - Road-blocks to synergistic activities?
  - Best practices that enabled synergistic activities?
  
- **Partnership talks (Day 1, 1:30pm – 3:15pm)**
  - 3 talks: NP, BES, FES
  - We don't have collaborations with the NP and BES partnerships, so good opportunity to see if there can be any.

# Overview of agenda

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- **Facilities**
  - All major platforms at ALCF/OLCF/ NERSC will soon be heterogeneous.
  - We will have an opportunity to hear from the facilities about hardware trends, programming on heterogeneous platforms, and best practices for software development and deployment (Day 2, 8:30am – 9:15am).
- After the facilities session, there will be a discuss on our readiness on heterogenous platforms (Day 2, 9:15am – 10:30am).
- **SciDAC RAPIDS Institute**
  - RAPIDS is the SciDAC Computer Science Institute.
  - It is important for us to get to know RAPIDS better.
  - Rob Ross will give a lunch talk on Day 2.
- We will end the all-hands with a discussion on collaborations in general.
  - Continue the discussion from Day 1 on synergistic activities.
  - With RAPIDS? Including software deployment.
  - Engaging those partnerships that we currently are not involved in.

# Introduction ...

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- **Go around to introduce ourselves ...**

- **Your Name**
- **Your affiliation**
- **Which technical area(s) you are part of**
  - **If you are not a member of FASTMath, then mention your role in SciDAC, if any**
- **Your favorite ice cream (or sorbet) flavor**

# Finally ...

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- **Ceren Susut will arrive after the morning break and will make some remarks.**
  
- **Things that you would like Ceren to comment on???**
  - **Concerns**
  - **Expectations from ASCR**
  - **Gossips**
  - **...**